

Converting Colors

$Y_{xy}(75.5907, 0.2567, 0.4260)$

Have a look what the booklet for
Yxy(75.5907, 0.2567, 0.4260)
contains.

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Color

Yxy(75.6012, 0.2566, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	33FFB6
RGB	51, 255, 182
RGB Percent	20%, 100%, 71%
CMY	0.7988, 0.0000, 0.2862
CMYK	0.80, 0.00, 0.29, 0.00
HSL	159°, 100%, 60%
HSV	159°, 80%, 100%
XYZ	45.5810, 75.6012, 56.4522
YIQ	185.6820, -98.1510, -65.9510

Conversions

Conversions Part 2

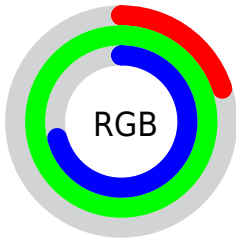
Format	Color
RYB	51, 175, 255
Decimal	3407798
CIELab	89.67, -64.12, 21.53
CIELCh	90, 67.639, 161.444
Yxy	75.6012, 0.2566, 0.4256
Android (android.graphics.Color)	4281597878 (0xFF33FFB6)
YUV	185.6820, -1.8152, -118.1161
Hunter-Lab	86.9490, -58.5861, 22.3698

Details

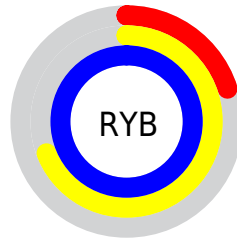
The Yxy color **75.6012, 0.2566, 0.4256** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **25.1157, 0.4967, 0.2707**, and the grayscale version is **49.0193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4389, 0.2554, 0.3486**, and **41.5175, 0.2574, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **74.7439, 0.2570, 0.4395**, and if you desaturate by 10%, it is **76.8524, 0.2582, 0.4115**.

Distribution



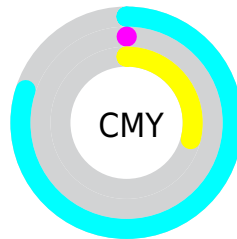
- Red (20%)
- Green (100%)
- Blue (71%)



- Red (20%)
- Yellow (69%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6012, 0.2566, 0.4256 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.6012, 0.2566, 0.4256 by changing the saturation by 10% instead.

 75.6012, 0.2566,
0.4256


 75.6012, 0.2566,
0.4256


479.9814, 0.2837,
0.3783

 56.1056, 0.2502,
0.4370

 127.1630, 0.2662,
0.4087


 40.2876, 0.2421,
0.4514


 159.9980, 0.2699,
0.4023

 27.7628, 0.2318,
0.4702


 198.0482, 0.2730,
0.3968

 18.1469, 0.2179,
0.4955

 241.6980, 0.2757,
0.3921

 11.0555, 0.1987,
0.5313

291.3319, 0.2781,
0.3880

 6.1042, 0.1705,
0.5851

347.3341, 0.2802,

 2.9085, 0.1179,

0.3844

0.6796

410.0892, 0.2820,
0.3812

■ 1.0842, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.6012, 0.2566,
0.4256

■ 75.6012, 0.2566,
0.4256

■ 74.7439, 0.2570,
0.4395

■ 76.8524, 0.2582,
0.4115

■ 74.1873, 0.2592,
0.4532

■ 78.5407, 0.2619,
0.3976


■ 74.1813, 0.2593,
0.4533

■ 80.7130, 0.2674,
0.3841

■ 83.4078, 0.2746,
0.3713

 86.6594, 0.2830,
0.3592

 90.4994, 0.2924,
0.3481

 94.9567, 0.3024,
0.3380

99.9943, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6012, 0.3309, 0.4748



75.6012, 0.2566, 0.4256



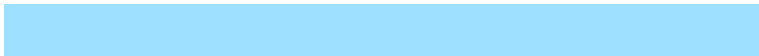
75.6012, 0.2016, 0.3401

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6012, 0.2566, 0.4256



75.6012, 0.2161, 0.2084



75.6012, 0.4706, 0.3608

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.6012, 0.2566, 0.4256



25.1157, 0.4967, 0.2707

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6012, 0.4337, 0.3036



75.6012, 0.2566, 0.4256



75.6012, 0.2778, 0.2206

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6012, 0.2566, 0.4256



75.6012, 0.1822, 0.2216



75.6012, 0.3588, 0.2542



75.6012, 0.4571, 0.4188

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6012, 0.2566, 0.4256



75.6012, 0.1817, 0.2870



75.6012, 0.3588, 0.2542



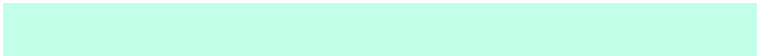
75.6012, 0.4639, 0.3413

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.6042, 0.2566, 0.4256



88.8502, 0.2884, 0.3526



76.1912, 0.3290, 0.5575



18.7290, 0.2851, 0.3566



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6042, 0.2566, 0.4256



74.3866, 0.2583, 0.4479



63.3267, 0.2194, 0.2948



20.3645, 0.3028, 0.3377



38.7940, 0.2586, 0.4511



3.7981, 0.2543, 0.4355

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.1157, 0.4967, 0.2707



22.3616, 0.5480, 0.2814



27.0156, 0.5744, 0.3479



18.0946, 0.3238, 0.3205



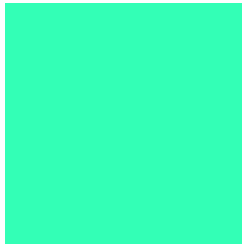
11.5326, 0.5551, 0.2832



1.1429, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 75.6012, 0.2566, 0.4256 looks on a white background.

Color Contrast Check

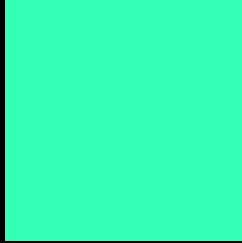
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 75.6012, 0.2566, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

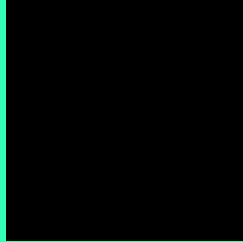
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6012, 0.2566, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 75.6012, 0.2566, 0.4256.



This preview shows how white text looks on a background with the Yxy color 75.6012, 0.2566, 0.4256.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.6012, 0.2566, 0.4256

Protanopia

73.9161, 0.3628, 0.3889

Deuteranopia

73.6666, 0.3594, 0.3527



Tritanopia

74.6157, 0.2492, 0.3104

Trichromacy



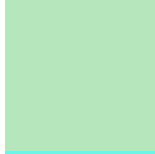
Original Color

75.6012, 0.2566, 0.4256



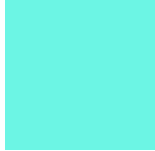
Protanomaly

71.0531, 0.3085, 0.4062



Deuteranomaly

70.0482, 0.3057, 0.3795



Tritanomaly

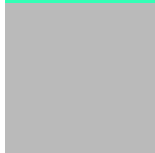
74.0944, 0.2494, 0.3497

Monochromacy



Original Color

75.6012, 0.2566, 0.4256



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4097, 0.2785, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6012, 0.2566, 0.4256 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 182)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 75.6012, 0.2566, 0.4256 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 182) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 182) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6012, 0.2566, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 182) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
182) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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